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NO. 8587 P. 7

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant(s): John W. Locher, et al.

Title: SINGLE CRYSTALS AND METHODS FOR FABRICATING SAME

App. No.: 10/820,468

Filed: April 8, 2004

Examiner: Timothy M. Speer

Group Art Unit: 1775

Customer No.: 34456

Confirmation No.: 7574

Atty. Dkt. No.: 1075-BI4324

MS AF
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

*not entered
02/06
ms*

DECLARATION UNDER 37 C.F.R. §1.132

Sir, I hereby declare and state:

1. I am a joint inventor of the subject matter presently claimed in the above-identified patent application.
2. I received my undergraduate degree in Chemistry from University of North Carolina in 1976 and received my masters degree in Mechanical Engineering and Materials Science from Duke University in 1979.
3. Since 1979, I have been involved in the research and development of crystal growth, particularly, single crystal materials including melt-based processing of single crystal sapphire. Since 1987, I have been employed by Saint-Gobain Ceramics & Plastics, Inc. (or its predecessor companies), during which time I have primarily been engaged in research and development of crystal growth technologies.
4. I have reviewed the substance of the Office Action mailed March 9, 2006, as well as the cited prior art reference JP 57095899 A to Takahashi et al.